

Running Gear

Will the transmission on a basic model M998 work on a M998A2?

Will the front prop shaft on an M998A2 work on an M1114?

Will the engine from an M998A1 work in a basic M998? (*Answers at the end of this article.*)

Questions like these are common these days, since the HMMWV has so many different models and series in the field.

There's the original M998-series trucks; the M998A1-series; the M998A2-series; and the M1113 and M1114 models.

To keep things straight in the maintenance bay, here's what each series of models uses for running gear:

Basic M998-series (except M1097)

Engine and container:

- 6.2L pre-1990, NSN 2815-01-231-3672 (used on serial numbers 1-99,999)
- 6.2L post-1990, NSN 2815-01-314-7940 (used on serial numbers 100,000 and above)
- 6.5L detuned, NSN 2815-01-406-6675 (1996)
- 6.5L detuned, NSN 2815-01-439-6664 (1997)

Transmission:

3L80E, NSN 2520-01-161-2136

Transfer case:

- 218 model, NSN 2520-01-163-4999 or
- 242 model, NSN 2520-01-409-2512 (Conversion kit, NSN 2520-01-434-0822, installs the 242 model (slip-type yoke) in

Wrap-up

trucks once the 218 model (bolt-type flange) is no longer available)

Front prop shaft (off front axle differential):

NSN 2520-01-200-3097 (U-joint repair kit, NSN 2520-00-722-7074, contains cross assembly, retaining rings and bearing race caps)

Front prop shaft (off transfer):

- with 218 model transfer installed—NSN 2520-01-200-3096 (U-joint repair kit, NSN 2520-00-722-7074)
- with 242 model transfer installed—NSN 2520-01-357-5043 (U-joint repair kit, NSN 2520-01-189-2135)

Rear prop shaft:

- with 218 model transfer installed on trucks serial numbered 1-44,824 with

out parking brake MWO 9-2320-280-35-1 applied—NSN 2520-01-171-8258

- with 218 model transfer installed on trucks serial numbered 44,825 and above or with parking brake MWO 9-2320-280-35-1 applied—NSN 2520-01-346-1374

- with 242 model transfer installed—NSN 2520-01-459-0050 (U-joint repair kit, NSN 2520-01-189-2135, for all rear shafts)

M1097 and M998A1-series

Engine and container:

- 6.2L post-1990, NSN 2815-01-314-7940
- 6.5L detuned, NSN 2815-01-406-6675 (1996)
- 6.5L detuned, NSN 2815-01-439-6664 (1997)

Transmission:

3L80E, NSN 2520-01-161-2136

Transfer case:

242 model (three bolts holding extension housing), NSN 2520-01-356-9197 or 2520-01-452-8365 (with container)

Front prop shaft (off front axle differential):

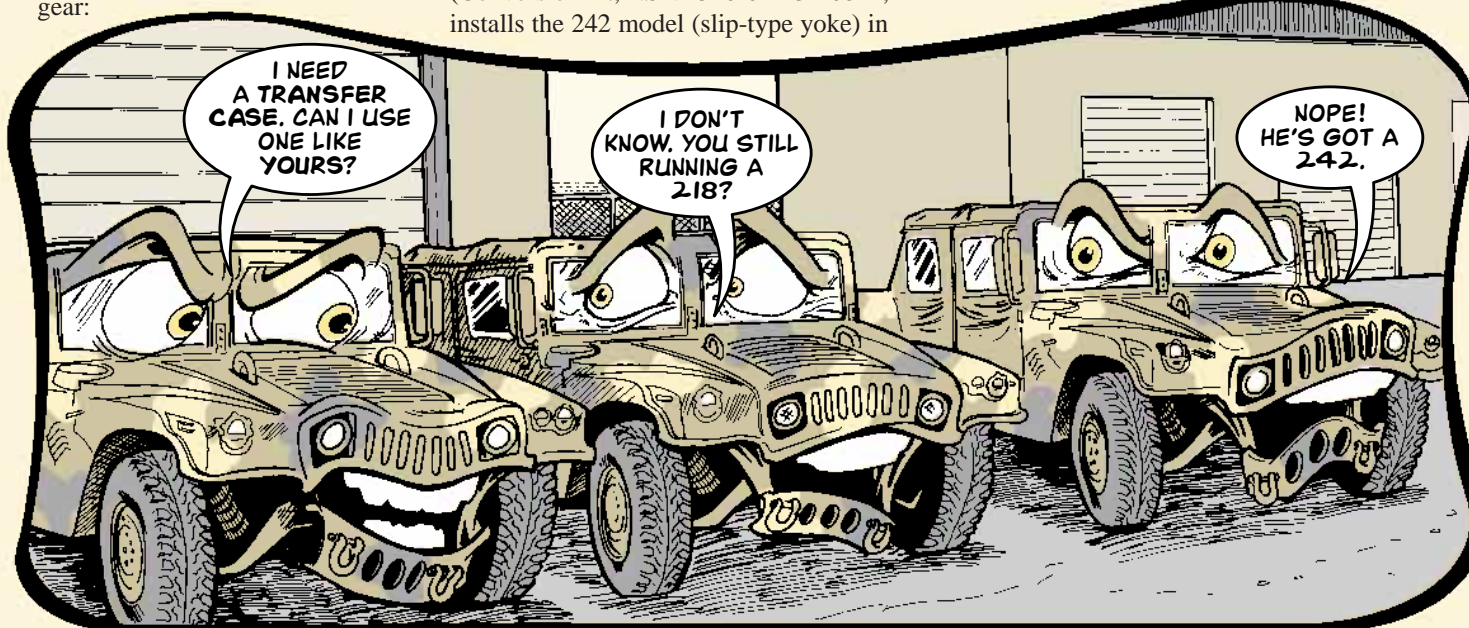
NSN 2520-01-356-9189 (U-joint repair kit, NSN 2520-01-189-2135)

Front prop shaft (off transfer):

NSN 2520-01-357-5043 (U-joint repair kit, NSN 2520-01-189-2135)

Rear prop shaft:

NSN 2520-01-357-5044 (U-joint repair kit, NSN 2520-01-189-2135)



M998A2-series

Engine and container:

- 6.5L naturally aspirated, NSN 2815-01-410-9710 (1996)
- 6.5L naturally aspirated, NSN 2815-01-439-6665 (1997)

Transmission:

4L80E, NSN 2520-01-430-5294 (1996) or NSN 2520-01-439-6830 (1997)

Transfer case:

242 model (four bolts holding extension housing), NSN 2520-01-409-2512

Front prop shaft (off front axle differential):

NSN 2520-01-423-5120 (U-joint repair kit, NSN 2520-01-189-2135)

Front prop shaft (off transfer):

NSN 2520-01-413-0080 (U-joint repair kit, NSN 2520-01-189-2135)

Rear prop shaft:

NSN 2520-01-424-0425 (U-joint repair kit, NSN 2520-01-359-8444)

M1113 and M1114

Engine and container:

6.5 turbo, NSN 2815-01-420-4180 (1996) or NSN 2815-01-439-8164 (1997)

Transmission:

4L80E, NSN 2520-01-430-2765 (1996) or NSN 2520-01-439-6831 (1997)

Transfer case:

242 model, NSN 2520-01-409-2512

Front prop shaft (off front axle differential):

NSN 2520-01-423-5120 (U-joint repair kit, NSN 2520-01-189-2135)

Front prop shaft (off transfer):

NSN 2520-01-413-0080 (U-joint repair kit NSN 2520-01-189-2135)

Rear prop shaft:

NSN 2520-01-424-0425 (U-joint repair kit, NSN 2520-01-359-8444)

Now you've read this article, you know the answers are NO, YES and YES using the charts.

